AUTOMATED BUSINESS POWER

POWER SUPPLIES FOR TACTICAL TRANSCEIVERS

7611-J Rickenbacker Drive, Gaithersburg, MD 20879
Phone: (301) 977-5570 Fax: (301) 977-5210
www.abpco.com E-mail: abpco @erols.com
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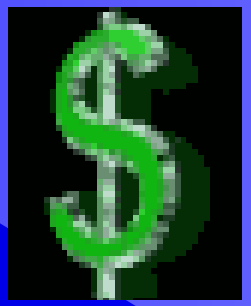
WHY USE A POWER SUPPLY FOR TACTICAL TRANSCEIVER?



- Save on battery expenditure.
- Reduce battery logistics.
- Reduce man-hour required for battery replacement, maintenance and charging.
- Conserve batteries for critical missions.
- Continuous transceiver operation.
- Simplify operation.

WHERE CAN I USE THE POWER SUPPLY?

- Command Posts.
- TOCs
- Fixed installation.
- Remote & Retransmit sites (Repeaters).
- Transportable/portable applications.
- During training and exercise.
- Vehicular applications.
- Aircraft applications.
- Shipboard applications.

WHAT ARE THE AVAILABLE POWER SOURCES FOR THE POWER SUPPLY?

- Worldwide AC power (85-270VAC, 47-440Hz)
- Worldwide DC power (9-36VDC)
- AC or DC Generator power.
- 12VDC, 24VDC or 28VDC Vehicular power.
- AC or DC Aircraft power.
- AC or DC Shipboard power.
- Fuel cells.
- Solar cells.

HOW MANY NON-RECHARGEABLE BATTERIES MY TRANSCEIVER CONSUMES EVERY DAY?

TYPICAL EXAMPLE: 8 HOURS OPERATION OF AN/PSC-5

- Receive mode current drain = 0.30A
- Transmit mode current drain = 3.75A
- Duty cycle: 80% receive, 20% transmit.

- Receive time = 8 Hours X 80% = 6.4 Hours
- Transmit time = 8 Hours X 20% = 1.6 Hours
- Receive power consumption: 6.4 Hours X 0.30A = 1.92Ah
- Transmit power consumption: 1.6 Hours X 3.75A =

HOW MANY NON-RECHARGEABLE BATTERIES MY TRANSCEIVER CONSUMES EVERY DAY (cont.)?

- BA-5590/U battery capacity: 6.0Ah typically.
- BA-5590/U cost: $70 + $4 disposal fee = $74

- Battery life with power consumption of 7.92Ah: 6 Hours
- Batteries cost in 24 hours operation = $74 X 4 batteries = $296
- Batteries cost in a 1 week operation = 7 days X $296 = $2,072
- Batteries cost in 2 weeks operation = 14 days X $296 = $4,144
- Batteries cost in 3 weeks operation = 21 days X $296 =

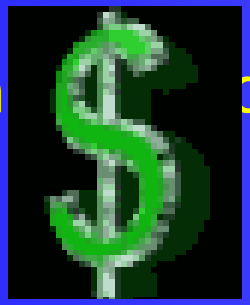
HOW LONG WILL IT TAKE THE POWER SUPPLY TO PAY FOR ITSELF?

- Power supply cost: $2,395
- Batteries cost in 24 hours operation = $296

- The number of days it will take the power supply to pay for itself

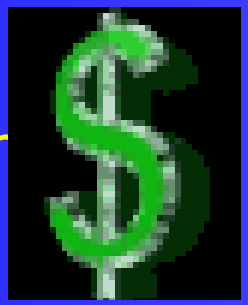
= $2,395 / $296 = 8.1 days

HOW MUCH MONEY THE POWER SUPPLY WILL SAVE ME EVERY YEAR?

- Operating 200 days a year = 200 days X $296 = $59,200
- Operating 100 days a year = 100 days X $296 = $29,600
- Operating 50 days a yea  days X $296 = $14,800

TYPICAL COST SAVINGS FOR EACH POWER SUPPLY TYPE

- High Power AC/DC Converter: $30,000 - $100,000
- Transceiver Power Unit: $10,000 - $20,000
- Power/Comm Unit: $10,000 - $20,000
- AC/DC Transceiver Battery Eliminator: $10,000 - $20,000
- Cool Power DC/DC Conver $10,000 - $20,000
- Up Power DC/DC Converter: $10,000 - $20,000



HIGH POWER PFC AC/DC CONVERTER

- Operates from a worldwide AC power (85-264VAC) and supplies 28VDC, 24VDC, 12VDC for ANY military transceiver and other communicatio equipment.
- Powers various equipment types simultaneously.
- Eliminates the use of batteries.
- Small size, light weight (9.75 lbs.)
- Operating Temp.: -20^{0}C to +65^{0}C

INTEGRATED TRANSCEIVER POWER SUPPLY CASE

- Integrated, self-contained power/voice/data case for AN/PSC-5, AN/PSC-5D, MBMMR, AN/PRC-117F, AN/PRC-150, AN/PRC-138, AN/PRC-113, AN/URC-200.
- Powers the transceiver during Fly Away/mission/training.
- Uninterruptible transceiver operation from almost any AC or DC power source worldwide.
- Internal rechargeable battery for automatic backup.
- Storage space for Transceiver, Speaker, cables, Laptop Computer, handset and antennas.

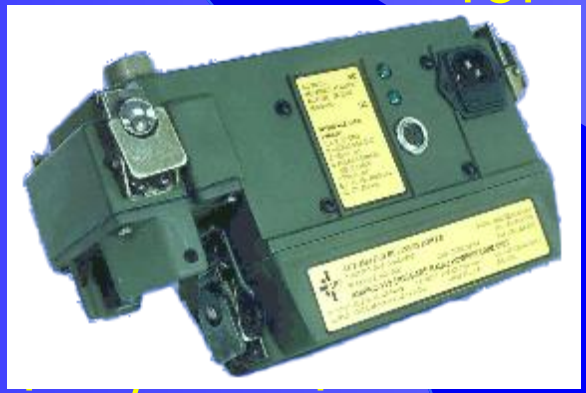
Transceiver and Laptop Computer are not included (G.F.E.)

TRANSCEIVER POWER UNIT

- Uninterruptible power supply for PSC-5, PSC-5D, MBMMR, PRC-113, PRC-117F PRC-138, PRC-150, URC-200, MXF-400 and RF-5000 series.
- Internal rechargeable battery for automatic backup.
- Same size as standard battery box. Weighs 3.75 lb.
- Powers the transceiver from A or DC during training/exer
- Eliminates extensive and expensive battery replacement.

AN/PRC-119 SINCGARS POWER/COMM UNIT

- Uninterruptible power supply for AN/PRC-119 SINCGARS SIP.
- Internal rechargeable battery for automatic backup
- 25 to 160 minutes backup time
- Same size as standard battery Weighs 4 lb.



- Powers the transceiver during training/exercise.
- Eliminates extensive and expensive battery replacement. Operates from AC or DC.

AC/DC TRANSCEIVER BATTERY ELIMINATOR

- Portable AC and DC power supply for one transceiver that operates from 24VDC or 12VDC: PRC-119 SINCGARS ASIP, AN/LST5, AN/PRC-117D/E, MST-20, KY-99 and others.
- Powers the transceiver during training/exercise.
- Eliminates extensive and expensive battery replaceme
- Small size. Weighs only 2.8 lb. (Similar size & weight as the BA-5590 battery).

SINCGARS ASIP POWERED BY ABP AC/DC TRANSCEIVER BATTERY ELIMINATOR

PHOTO IS TO SCALE

HIGH EFFICIENCY AMPLIFIED SPEAKER

- Monitors the received audio of Tactical Transceivers and Encryption units.
- field proven, reliable, robust.
- special Automatic Level Control (ALC).
- 5 Watts of clear, crisp audio.

- Accepts standard military handset/headset (H-250/U or similar type).

6-NET HIGH EFFICIENCY AMPLIFIED SPEAKER

- Simultaneously monitors the received audio of up to 6 Tactical Transceivers and Encryption units.
- field proven, reliable, robust.
- special Automatic Level Control (ALC).
- 5 Watts of clear, crisp audio.
- Accepts standard military handset/headset (H-250/U or similar type).

SHOCK/VIBRATION RACK MOUNT

- Shock/Vibration Rack/Vehicle Mount for AN/PSC-5, AN/PSC-5D, MBMMR, AN/PRC-117F, AN/PRC-150, AN/PRC-138, AN/PRC-113 transceivers together with ABP uninterruptible power supply part number ABP-AC/DC/BT-TR-1
- Accommodates Jerk-And-Run applications, shelter, vehicle, aircraft, boat and communicati rack installations.
- Heavy duty shock/vibration isolators.

SATCOM POWER AMPLIFIERS

- DAMA compatible SATCOM Power Amplifier for field applications, portable commo cases, vehicular applications, command post, TOC, shelter, aircraft and communication rack.
- 100 Watts and 50 Watts mod
- For PSC-5, PSC-5D, MBMMR, PRC-117F, LST-5D.
- Can be remoted up to 300’ away from the transceive
- Weatherproof.

COOL POWER DC/DC CONVERTER

- 12VDC up to 20A power source in HMMWV.
- Converts 24VDC to 12VDC.
- 12VDC for SINCGARS SIP, SINCGARS ASIP, Laptop Computers, printers and othe
- 12VDC for Vehicular Converter-Com and Mobile radios.
- 12VDC Manpack power source.
- Small, lightweight. -40^{0}C to +85^{0}C

UP POWER
DC/DC CONVERTER

- Supplies 24V or 28V power for military transceivers and Power Amplifiers in a 12VDC commercial or military vehicle.
- Operates 24V or 28V transceivers from a 12V battery.
- Converts 12V to 24V or 28V
  up to 25A
- Lightweight, small size
- -40^{0}C to +85^{0}C

UNINTERRUPTIBLE POWER SUPPLY SYSTEM MOPSS-3A

- Uninterruptible 24VDC/28VDC Power System for Transceivers, Power Amplifiers, SATCOM terminals and Communication equipment.
- For Communication Vehicles, TOCs, Command Posts, Communication Rack, Shelter.
- Output: 24V or 28V up to 100A.
- Glitch-free, instantaneous automatic switch-over between the AC and DC power sources.
- -40^{0}C to +85^{0}C

CUSTOM PRODUCTS

- Through innovative technology we can tailor our COTS/NDI products to meet your specific requirements or unique needs

- Uninterruptible Power Supplies
- Uninterruptible power systems
- AC to DC Power Supplies
- DC to DC Converters
- DC to AC Inverters
- Voice Communications

COST SAVINGS

- Substantial reduction of the annual expenditure for single use and rechargeable batteries.
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- Decrease in batteries logistics and disposal fees. .
- Reduction in man-hours required for batteries replacement, maintenance and charging.
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- Automated Business Power COTS/NDI products are field proven, true “Plug-and-Play” and “Jerk-and-Run” products that are maintenance free!

EASY 2-STEP ORDERING

- Call, Fax or E-Mail ABP for price quote and delivery information.
- Call, Fax, E-Mail or Mail your order.
- We accept the government credit card.
- Available on GSA Contract No.: GS-07F-0200K

ABP Automated Business Power

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